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PUB-NO: JP360145431A
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TITLE: SPEED RATIO INCREASE CONTROL METHOD OF HYDROMECHANICAL SPEEDCHANGE/STEERING
MECHANISM UNDER ACCELERATION

PUBN-DATE: July 31, 1985

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ABSTRACT:

PURPOSE: To achieve acceleration matching to the operational feeling by controlling
the speed change ratio such that the acceleration of an engine associated with
hydromechanical speedchange gear will return within predetermined range upon
exceeding over said range thereby increasing the rotation of output shaft together
with the engine rotation under acceleration.

CONSTITUTION: An engine 2 and output shafts 4, 5 are coupled through a
hydromechanical speed changer 1 to drive hydraulic pumps 6, 7 thus to feed pressure
oil to hydraulic motors 8, 9. A controller 28 will operate the acceleration from a
signal fed from an engine rotation detector 15. If it has exceeded over
predetermined level, said motors 8, 9 are driven to increase the speedchange ratio
thus to increase the engine load and to bring the engine rotation increasing rate
constant while simultaneously increase the car speed.